

# JUST THE FACTS ABOUT INSULATION AND FIRE SAFETY



#### NFPA 285

**IS AN ASSEMBLY TEST** 

Individual products cannot be labeled as "passing" NFPA 2851

## THE NFPA 285 FIRE TEST is a multi-story wall

is a multi-story wall assembly with a window opening<sup>1</sup>

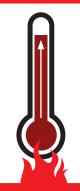
The fire exposure duration for NFPA 285 is

30
MINUTES

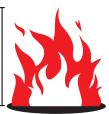


### HEAT INTENSITY

increases by 89% over the course of the test<sup>2</sup>



A SUCCESSFUL WALL ASSEMBLY LIMITS FIRE SPREAD TO



10 FEET
VERTICALLY AND

**HORIZONTALLY**<sup>3</sup>

NFPA 285 FIRE IS ABOUT

75x HOTTER

THAN A STANDARD OUTDOOR GRILL<sup>4</sup>



### **ENERGYSHIELD INSULATION**

PROVIDES CODE COMPLIANT DESIGN OPTIONS

R-VALUES UP TO

**26** AT 4"

3 MILLION+

NFPA 285 APPROVED ASSEMBLIES

**4 PRODUCTS WITH** 

≤ 25 FLAME SPREAD HUNDREDS OF MILLIONS

**BOARD FEET SUCCESSFULLY INSTALLED** 

Source: Architect Magazine - https://www.architectmagazine.com/design/buildings/how-many-of-these-nfpa-285-facts-do-you-know

<sup>2</sup> Source: Based on NFPA 285-19 Table 4.6.13 combined room and window burner calibration gas flow rates

<sup>3</sup> Source: NFPA 285-19 Section 10.2.1.2

Source: Intertek - https://bec-researchtriangle.org/ images/meeting/092117/2017.09.21\_nfpa\_285\_ bec\_research\_triangle.pdf Based on NFPA 285-19 Table 4.6.13 combined room and window burner gas flow rates of 74,016 BTU/minutes vs standard 1,000 BTU/minute gas